

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01S13/524 G01S7/292

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 042 (P-1306), 31 January 1992 (1992-01-31) & JP 03 248077 A (FUJITSU LTD), 6 November 1991 (1991-11-06) For more details on figure 2 and 3 see JP2750191 available at JPO : http://dossier1.ipdl.ncipi.go.jp/AIPN/aipn_call_transl.ipdl?N0000=7413&N0120=01&N2001=5&N3001=2750191 abstract	1-18
A	US 5 907 568 A (REITAN, JR. ET AL) 25 May 1999 (1999-05-25) column 12, line 59 - column 13, line 37; figure 8 ----- -/--	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 June 2005

Date of mailing of the international search report

22/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mercier, F

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/060639 A1 (HARMAN ROBERT KEITH) 23 May 2002 (2002-05-23) cited in the application the whole document	1-18
A	US 6 466 157 B1 (BJORNHOLT JOHN ET AL) 15 October 2002 (2002-10-15) cited in the application the whole document	1-18
A	US 4 595 924 A (GEHMAN ET AL) 17 June 1986 (1986-06-17) cited in the application the whole document	1-18

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 03248077	A	06-11-1991	JP 2750191 B2	13-05-1998
US 5907568	A	25-05-1999	NONE	
US 2002060639	A1	23-05-2002	NONE	
US 6466157	B1	15-10-2002	NONE	
US 4595924	A	17-06-1986	US 4641146 A	03-02-1987

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01S13/524 G01S7/292

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 042 (P-1306), 31 January 1992 (1992-01-31) & JP 03 248077 A (FUJITSU LTD), 6 November 1991 (1991-11-06) For more details on figure 2 and 3 see JP2750191 available at JPO : http://dossier1.ipdl.ncipi.go.jp/AIPN/aipn_call_transl.ipdl?N0000=7413&N0120=01&N2001=5&N3001=2750191 abstract	1-18
A	US 5 907 568 A (REITAN, JR. ET AL) 25 May 1999 (1999-05-25) column 12, line 59 - column 13, line 37; figure 8 ----- -/--	1-18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *B* document member of the same patent family

Date of the actual completion of the international search

14 June 2005

Date of mailing of the international search report

22/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5918 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mercier, F

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/060639 A1 (HARMAN ROBERT KEITH) 23 May 2002 (2002-05-23) cited in the application the whole document	1-18
A	US 6 466 157 B1 (BJORNHOLT JOHN ET AL) 15 October 2002 (2002-10-15) cited in the application the whole document	1-18
A	US 4 595 924 A (GEHMAN ET AL) 17 June 1986 (1986-06-17) cited in the application the whole document	1-18

INTERNATIONAL SEARCH REPORT

PCT/GB2005/001060

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 03248077	A	06-11-1991	JP 2750191 B2	13-05-1998
US 5907568	A	25-05-1999	NONE	
US 2002060639	A1	23-05-2002	NONE	
US 6466157	B1	15-10-2002	NONE	
US 4595924	A	17-06-1986	US 4641146 A	03-02-1987